

FIG. 1

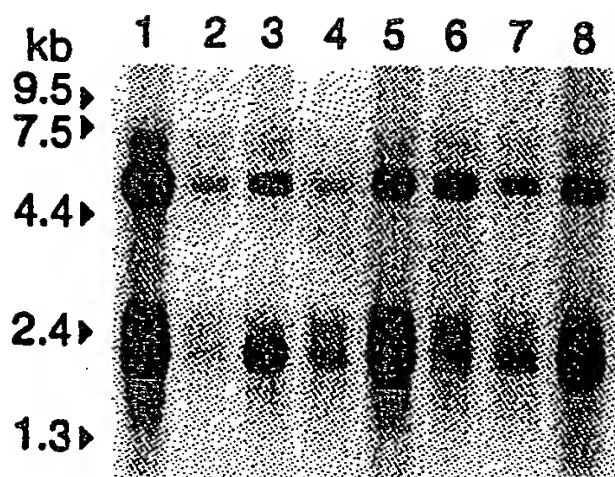
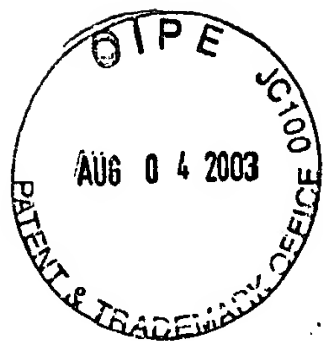


FIG. 2A

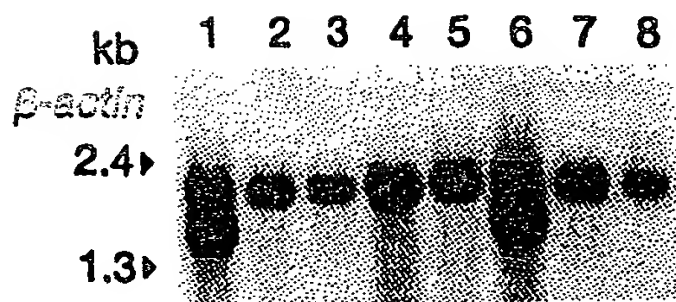


FIG. 2B



1 gaattccgct ccgcactgct cactcccgcg cagtgaagggtt ggcacagcca ccgctctgtg
61 gctcgcttgg ttcccttagt cccgagcgct cgcccactgc agattccttt cccgtgcaga
121 catggcctct ggcaccacca ccaccgccgt gaagattgga ataattgggtg gaacaggcct
181 ggatgatcca gaaatttttag aaggaagaac tgaaaaatat gtggatactc catttggtcaa
241 gccatctgat gccttaattt tggggaagat aaaaaatgtt gattgcatcc tccttgcaag
301 gcatggaagg cagcacacca tcatgccttc aaagggtcaaa taccaggcga acatctgggc
361 tttgaaggaa gagggctgta cacatgtcat agtgaccaca gattgtggct ccttgaggga
421 ggagattcag cccggcgata ttgtcattat tgatcagttc attgacagga ccactatgag
481 acctcagtcc ttctatgatg gaagtcattc ttgtgccaga ggagtgtgcc atattccaat
541 ggatgagccg ttttgcccca aaacgagaga ggttcttata gagactgcta agaagctagg
601 actccggtgc cactcaaagg ggacaatgggt cacaatcgag ggacctcgtt ttagctccag
661 ggcagaaagc ttcattgttcc gcacctgggg ggcggatgtt atcaacatga ccacagttcc
721 agaggtggtt cttgctaagg aggctggaat ttgttacgca agtatcgcca tggcgacaga
781 ttatgactgc tggaaggagc acgaggaagc agtttcggtg gaccgggtct taaagaccct
841 gaaagaaaac gctaataaag ccaaaagctt actgctcact accatacctc agatagggtc
901 cacagaatgg tcagaaaccc tccataacct gaagaatatg gcccagtttt ctgttttatt
961 accaagacat taaagtagca tggctgcccc ggagaaaaga agacattcta attccagtca
1021 ttttgggaaat tcctgcttaa cttgaaaaaa atatgggaaa gacatgcagc tttcatgccc
1081 ttgcctatca aagagtatgt tgtaagaaag acaagacatt gtgtgtatta gagactcctg
1141 aatgatttag acaacttcaa aatacagaag aaaagcaaatt gactagtaaa catgtgggaa
1201 aaaatattac attttaaggg ggaaaaaaa aacccacca ttctcttctc cccctattaa
1261 atttgcaaca ataaaggggtg gagggtaatc tctactttcc tatactgcca aagaatgtga
1321 ggaagaaatg ggactctttg gttattttatt gatgcgactg taaattggta cagtatttct
1381 ggagggcaat ttggtaaaat gcatcaaaag acttaaaaat acggacgtcc tttggtgctg
1441 ggaaatctac atatagcaat ttctctttta aaccatatca gagatgcata caaagaatta
1501 tatataaaga aggggtgttta ataattgatg ttataataat aaataattga aacaatctga
1561 atcccttgca attggaggta aattatgtct tagttataat ctagattgtg aatcagccaa
1621 ctgaaaatcc tttttgcata tttcaatgtc ctaaaaagac acggttgctc tatatatgaa
1681 gtgaaaaaag gatatggtag cattttatag tactagtttt gctttaaaat gctatgtaaa
1741 tatacaaaaa aactagaaag aaatatatat aaccttgta ttgtatttgg gggagggata
1801 ctgggataat ttttattttc tttgaatctt tctgtgtctt cacatttttc tacagtgaat
1861 ataatacaat agtaaagggc cgtaaaaaata aaagtggatt tagaaagatc cagttcttga
1921 aaacactgtt tctggtaatg aagcagaatt taagttggta atattaagggt gaatgtcatt
1981 taaggaggtt acatctttat tctgctaaag aagaggatca ttgatttctg tacagtcaga
2041 acagtacttg ggtgtgcaac agctttctga gaaaagctag gtgtataata gtttaactga
2101 aagtttaact atttaaaaga ctaaatgcac attttatggt atctgatatt ttaaaaagta
2161 atgtgagctt ctctttttta tgagttaaat tattttatac gagttggtaa tttgtgcctt
2221 ttaataaagt ggaagcttgc tttttaaaaa aaaaaaaaaa gcggaattc

FIG.3A



1	MASGTTTTAVKIGIIGGTGLDDPEILEGRTEKYVDTPFGK	40
41	PSDALILGKIKNVDCILLARHGRQHTIMPSKVNYQANIWA	80
81	LKEEGCTHVIVTTACGSLREEIQPGDIVIIDQFIDRTTMR	120
121	PQSFYDGSWSCARGVCHIPMAEPFCPKTREVLITAKKLG	160
161	LRCHSKGTMVTIEGPRFSSRAESFMFTWGADVINTTVP	200
201	EVVLAKEAGICYASIAMATDYDCWKEHEEAVSVDRVLTLL	240
241	KENANKAKSLLLTTPQIGSTEWSETLHNLKNMAQFSVLL	280
281	PRH	283

FIG.3B

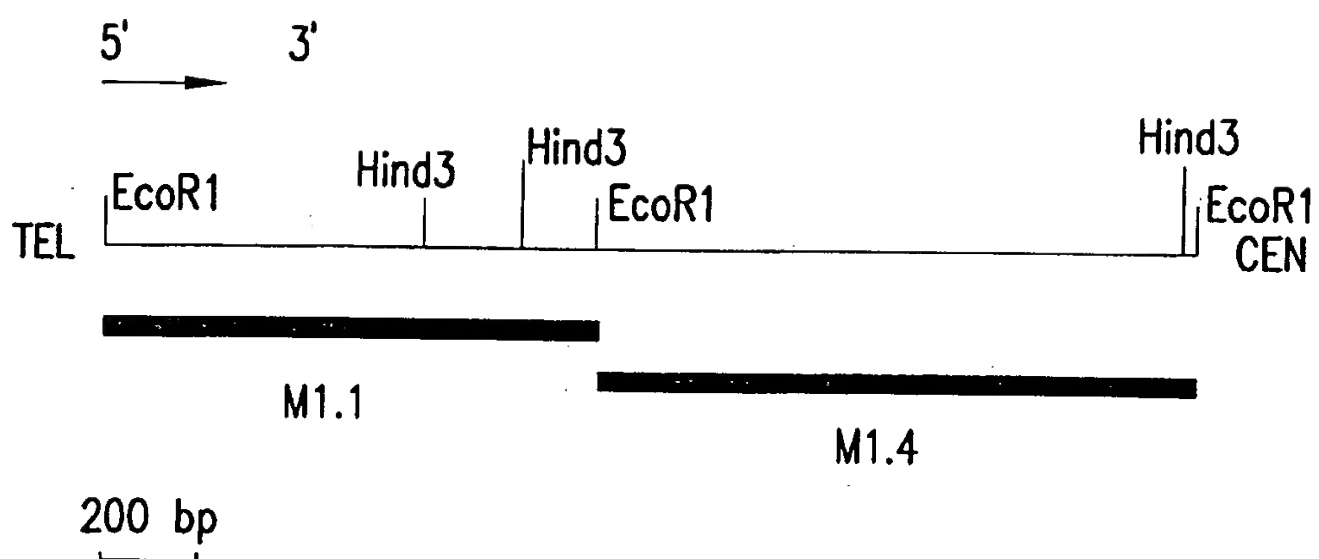


FIG.4

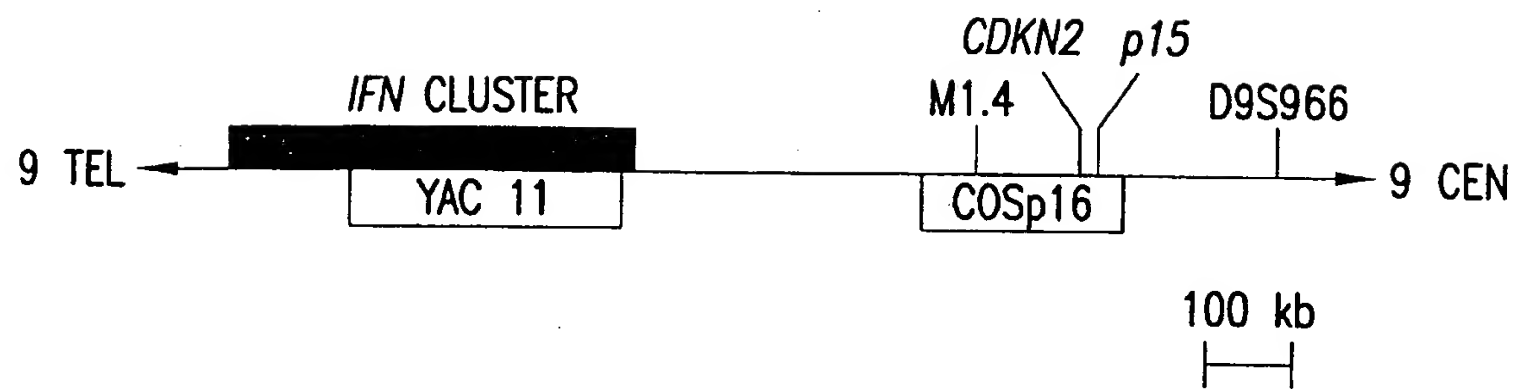


FIG.5



1 2 3 4 5 6

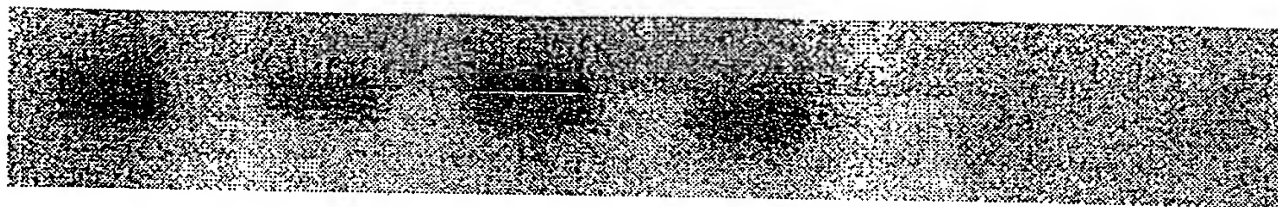


FIG. 6A

1 2 3 4 5 6

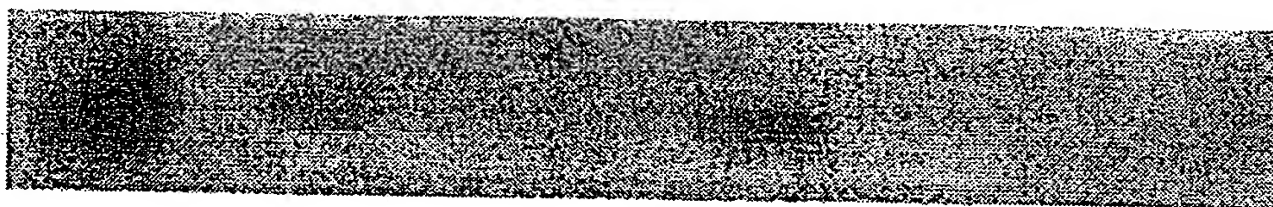


FIG. 6B

1 2 3 4 5 6

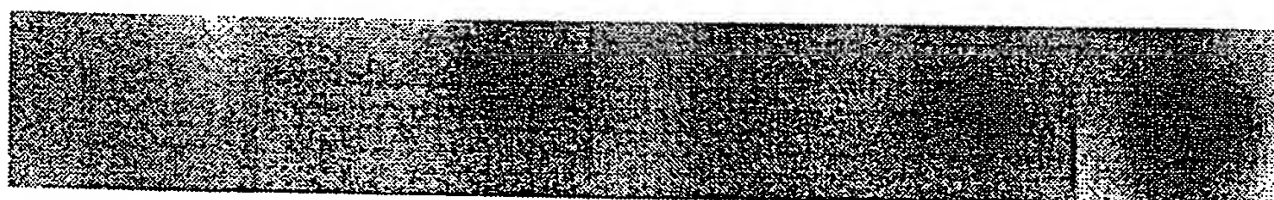


FIG. 6C

1 2 3 4 5 6

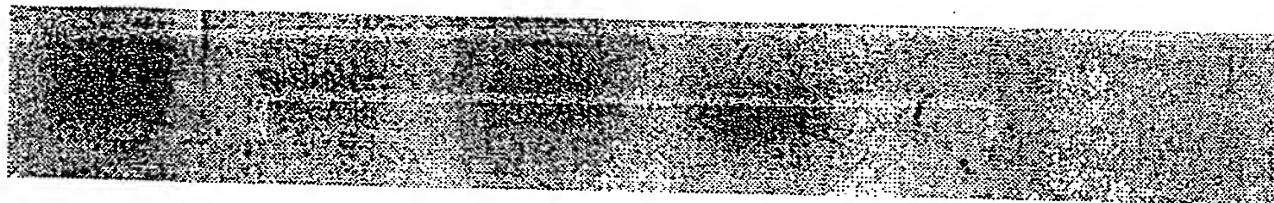


FIG. 6D



1 2 3 4 5 6

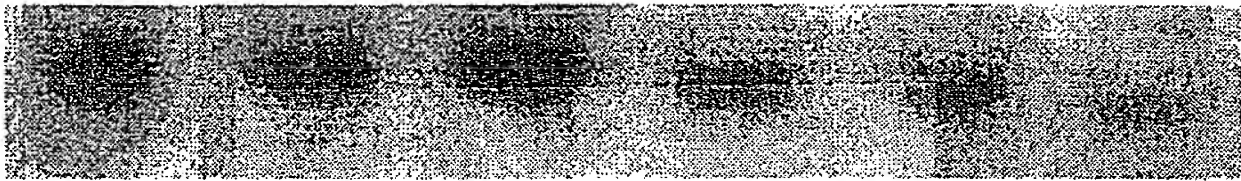


FIG. 6E

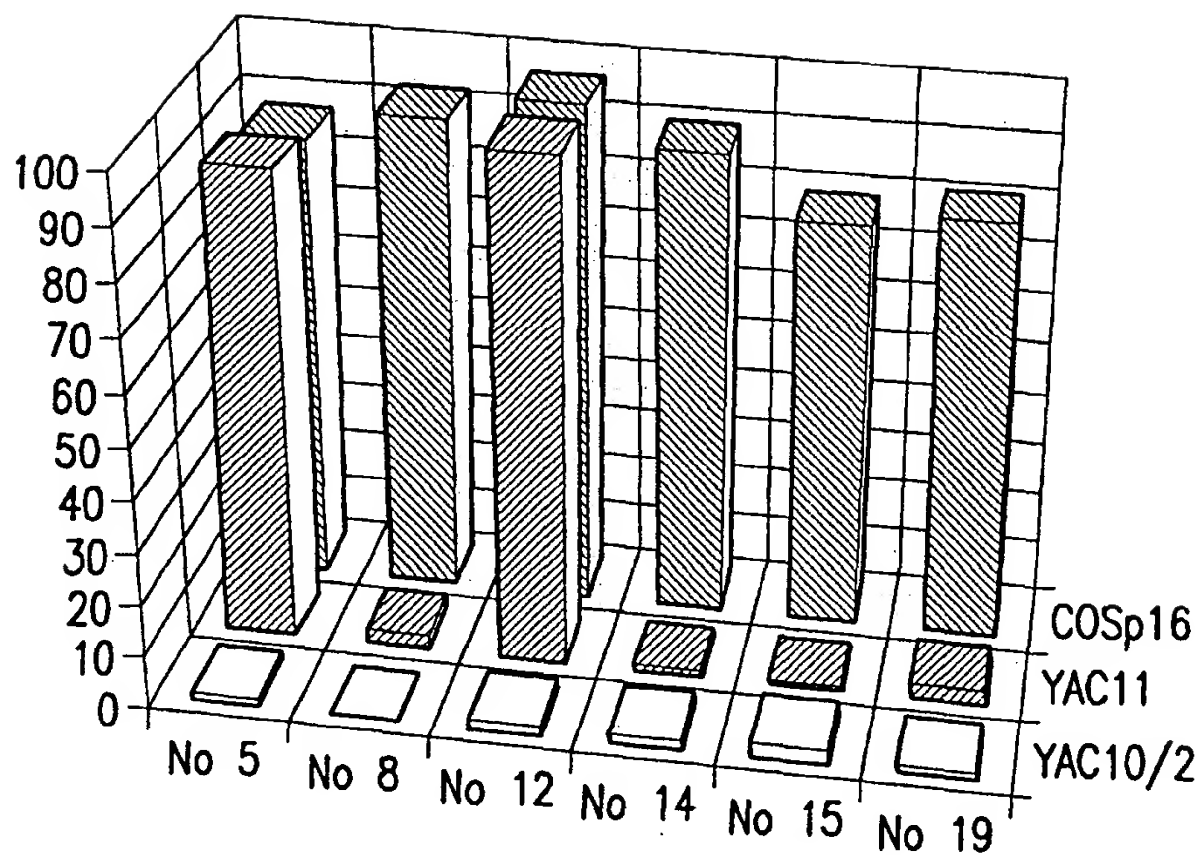


FIG. 7A

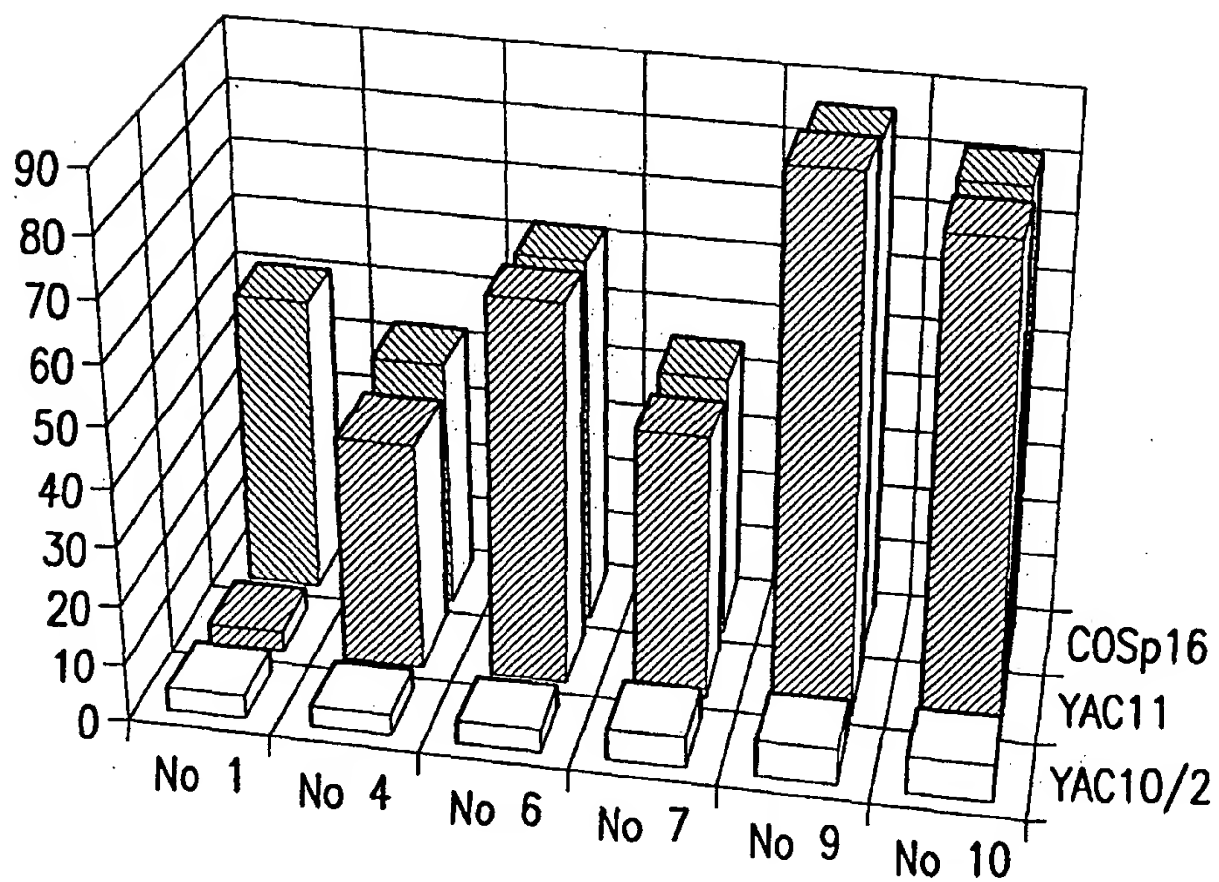


FIG. 7B

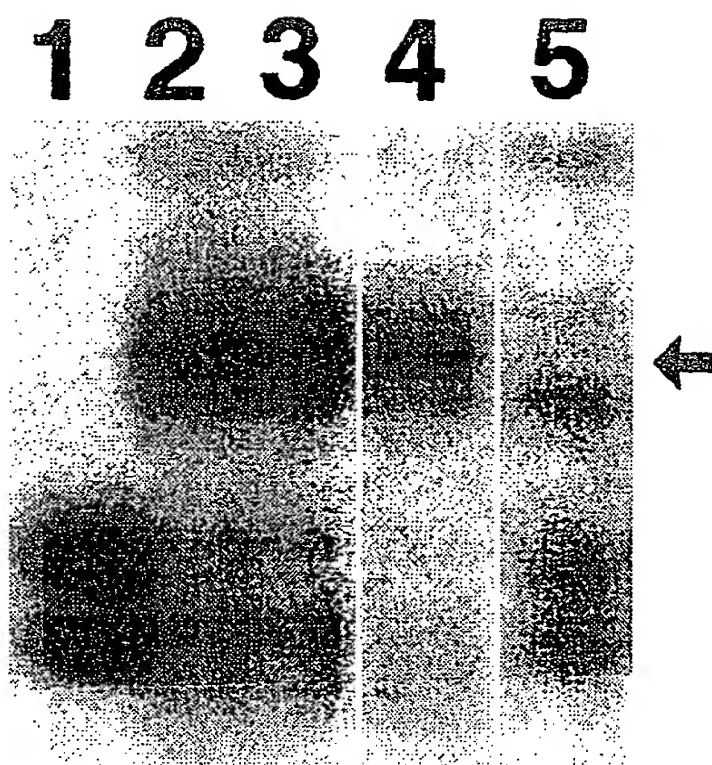


FIG. 8

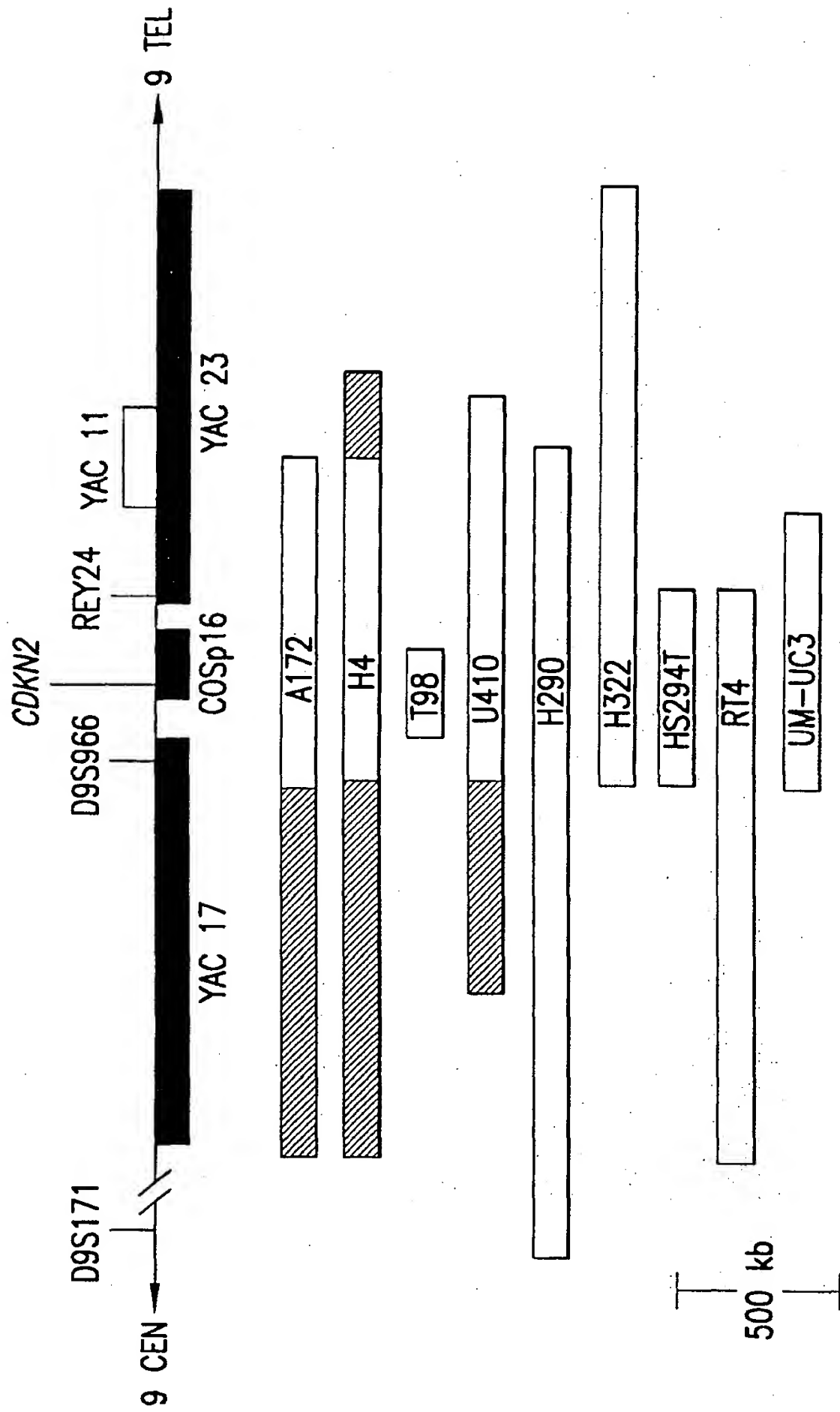


FIG. 9

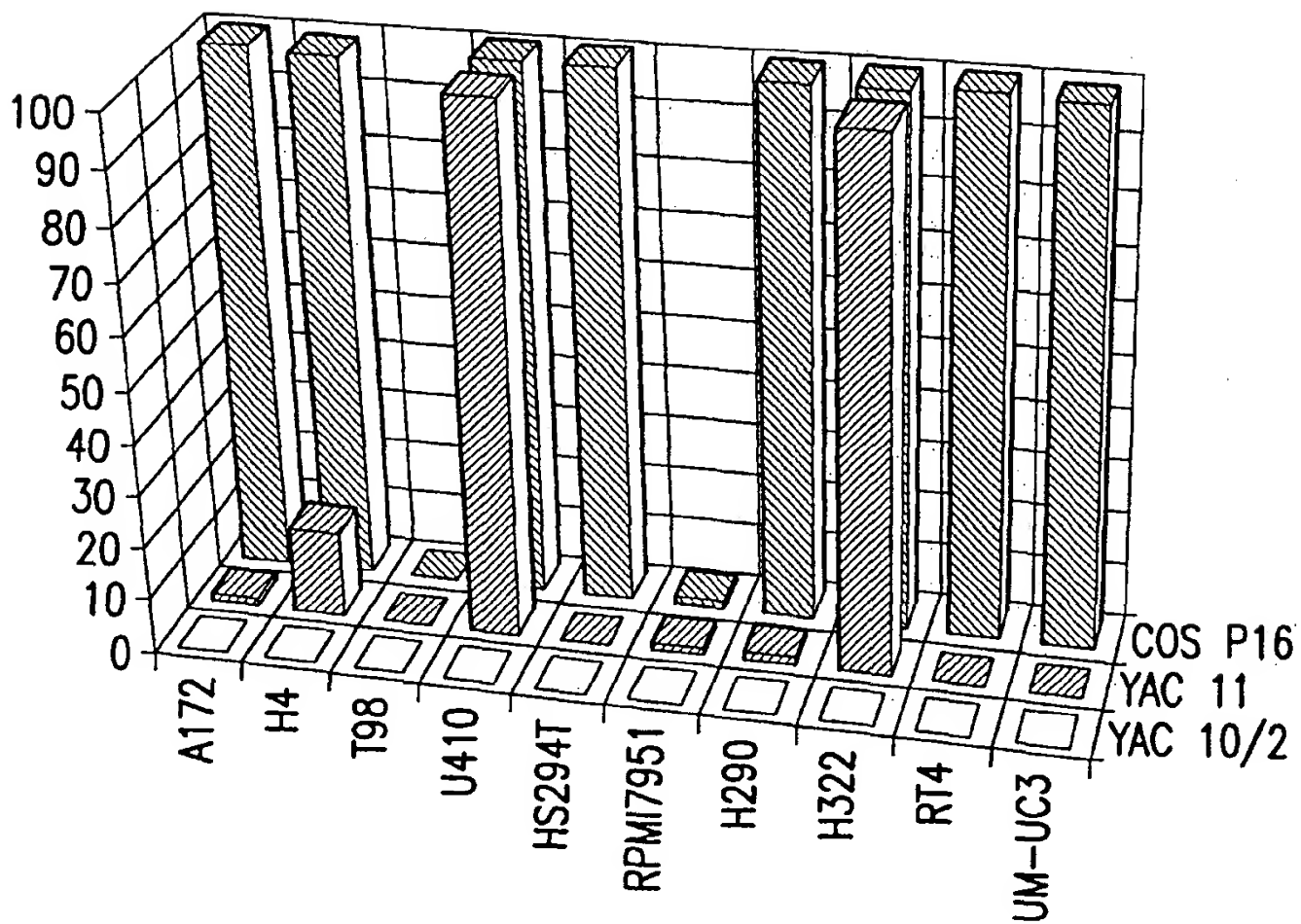
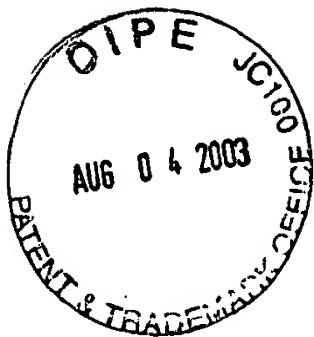


FIG. 10A

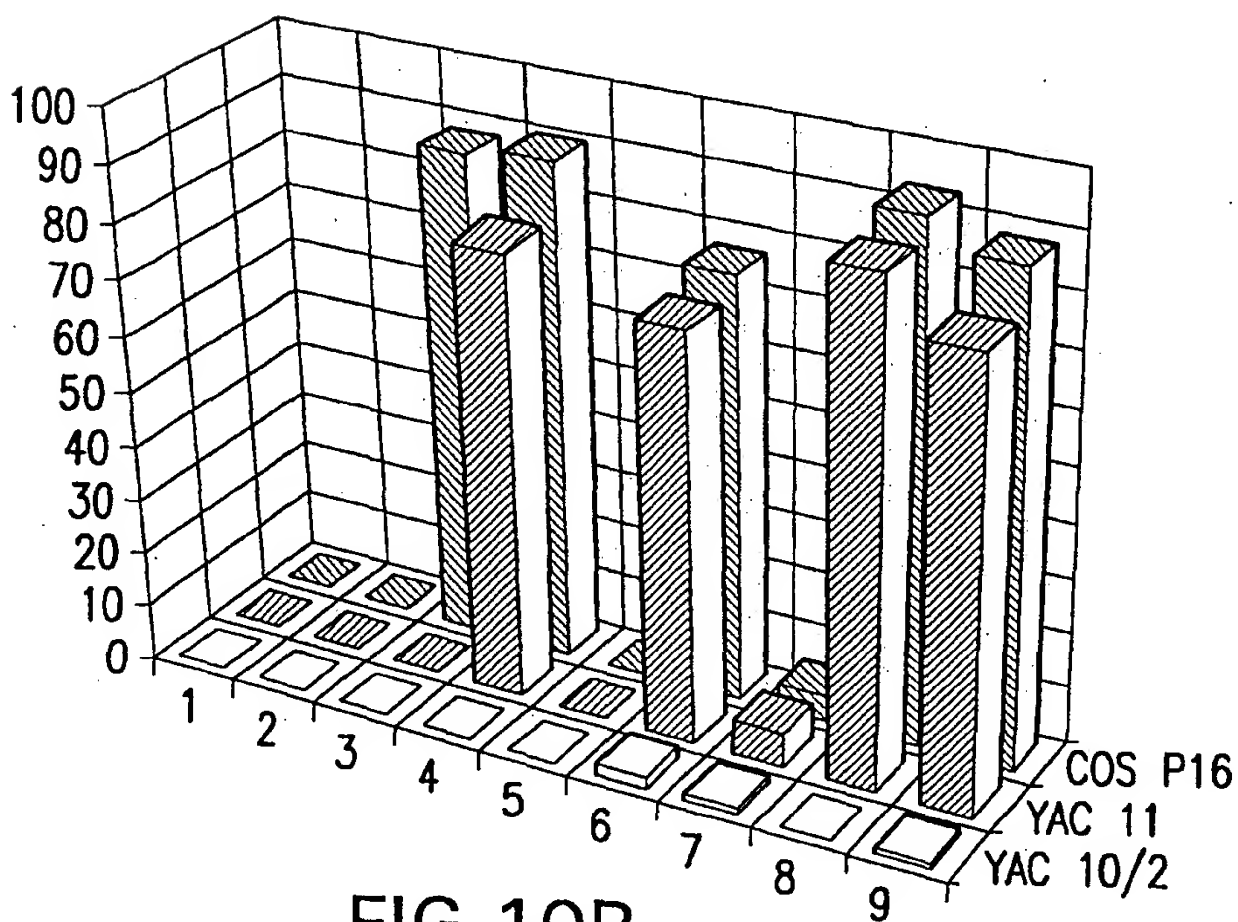
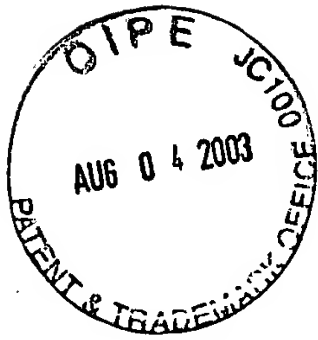
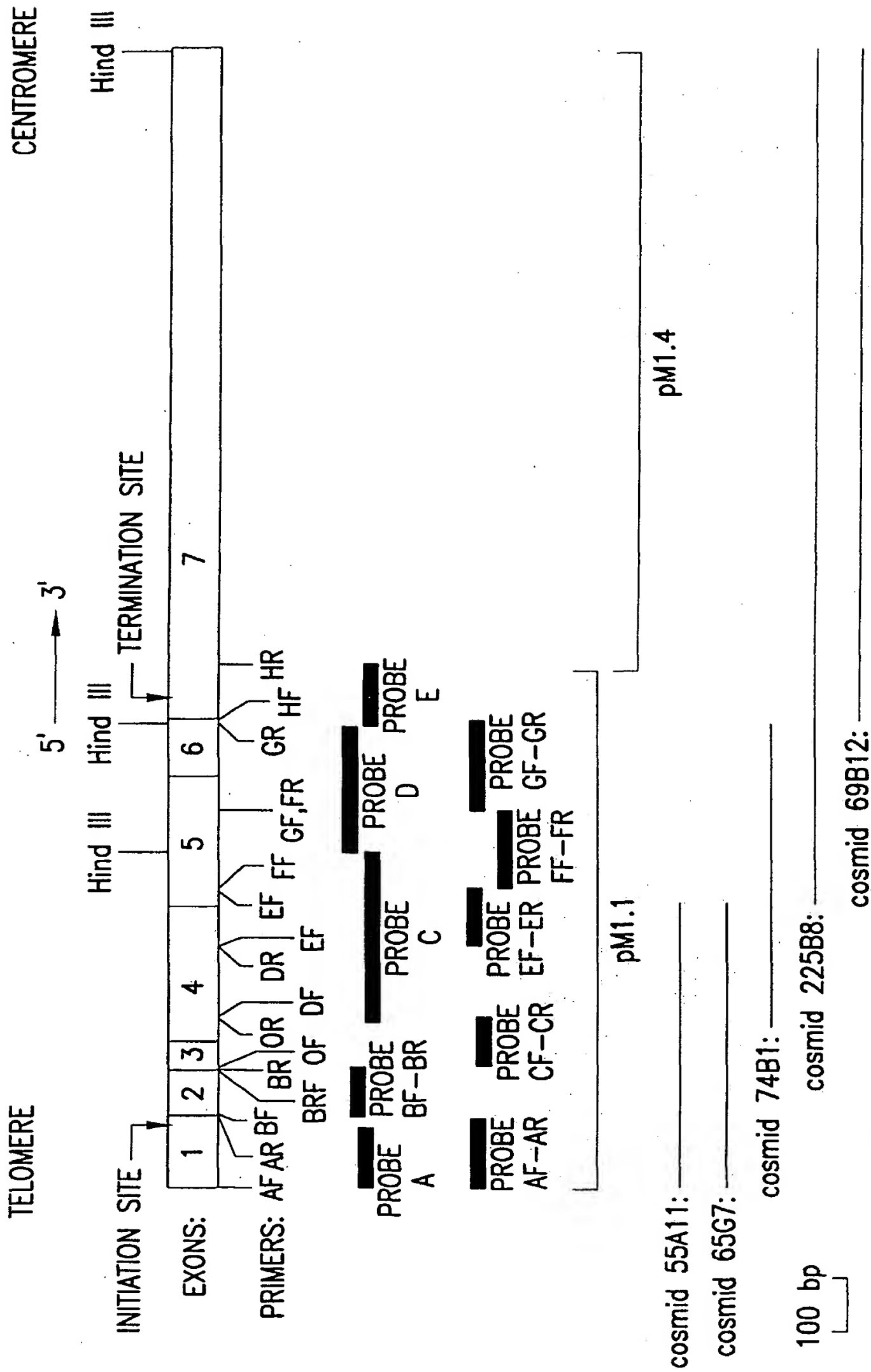


FIG. 10B



METHYLTHIOADENOSINE PHOSPHORYLASE cDNA MAP



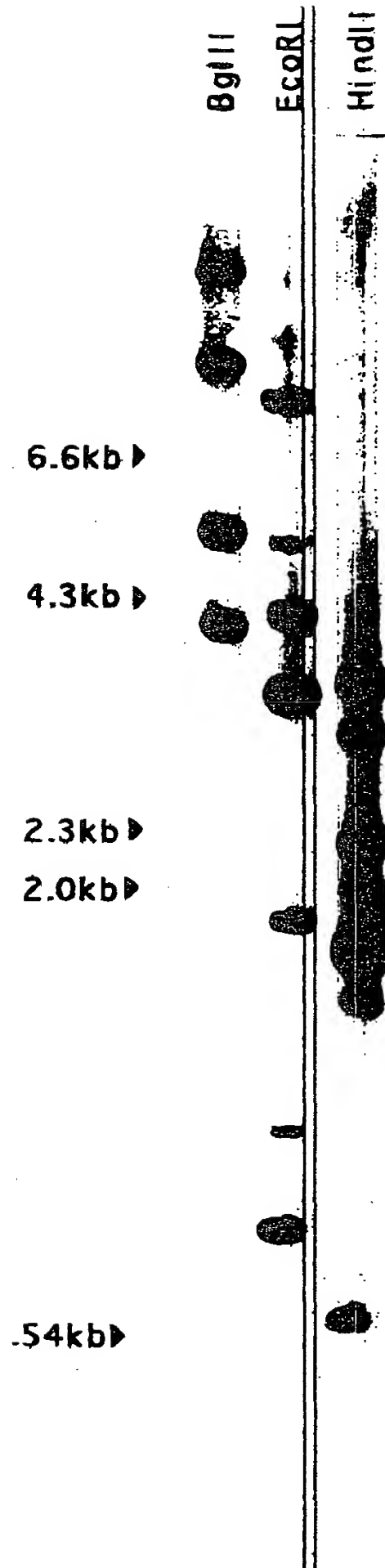


FIG. 12

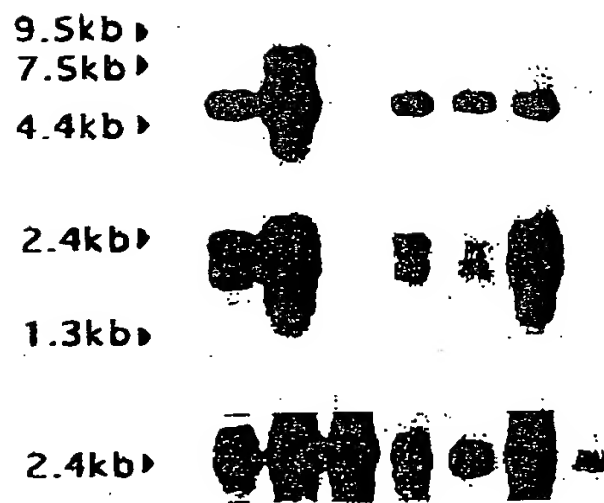
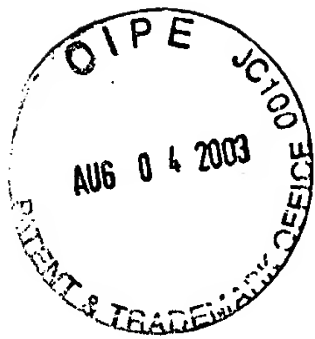


FIG. 13



FIG. 14

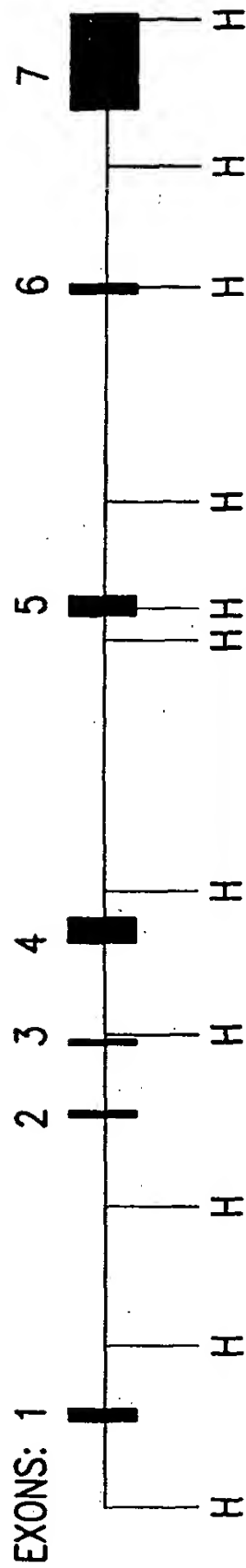


GENOMIC ORGANIZATION OF THE
METHYLTHIOADENOSINE PHOSPHORYLASE GENE

5' → 3'

TELOMERE

CENTROMERE



PROBE INTRON 5

PROBE 3.8

1 kb

FIG.15

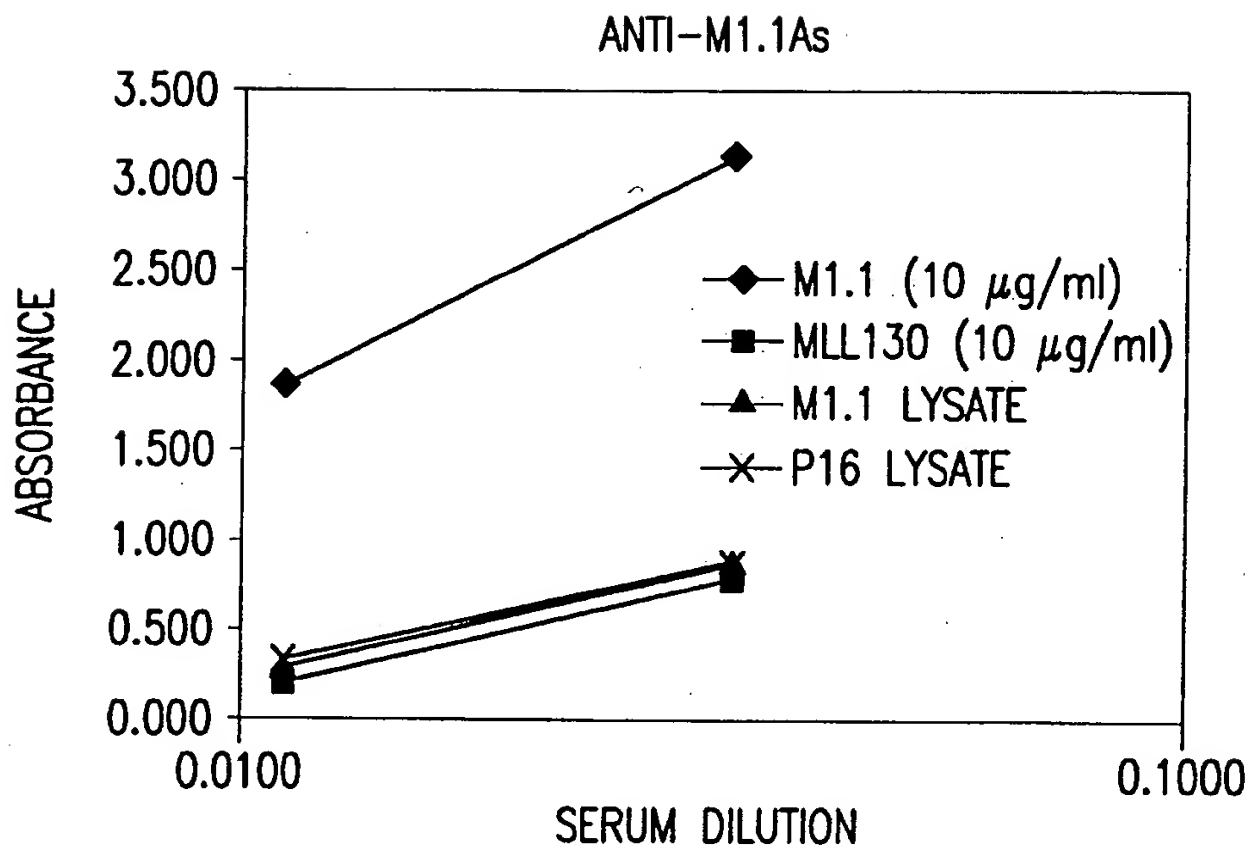


FIG.16A

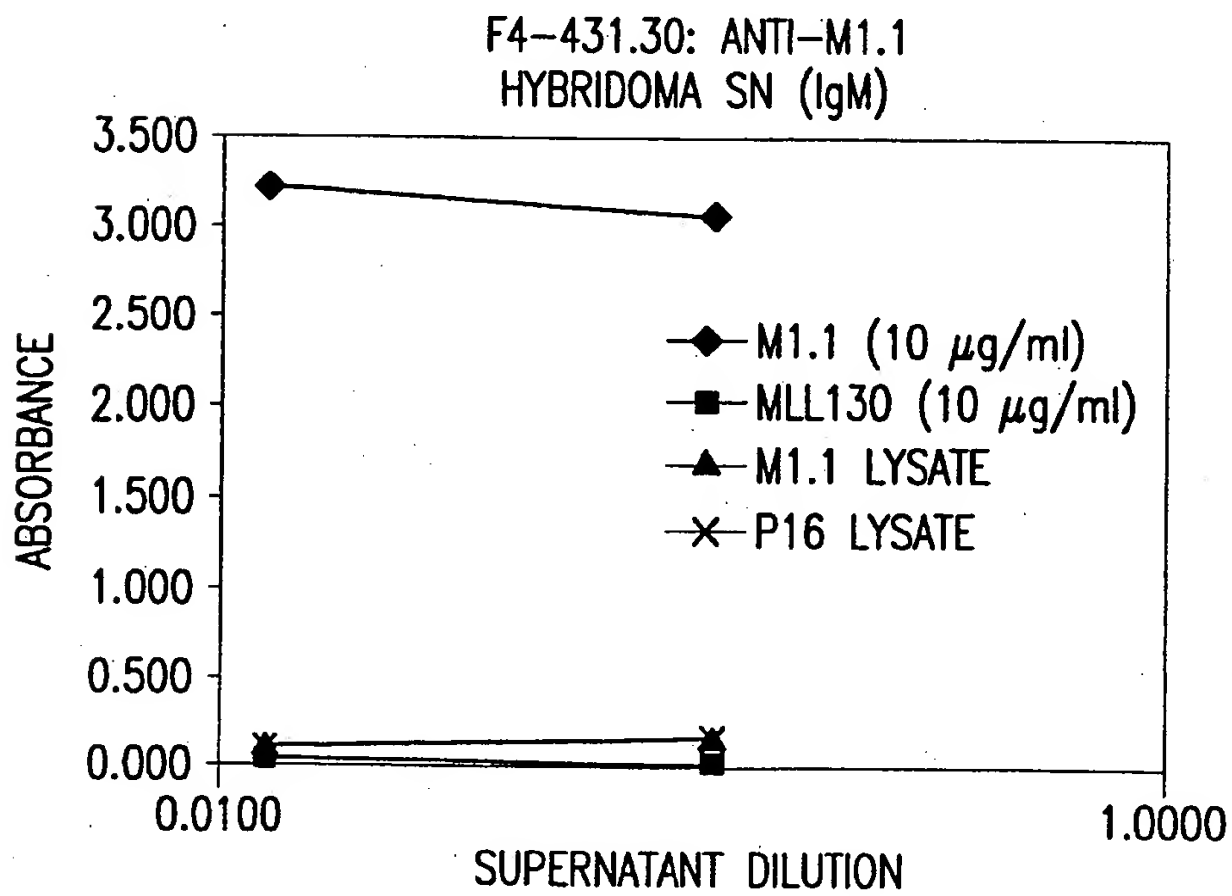


FIG.16B

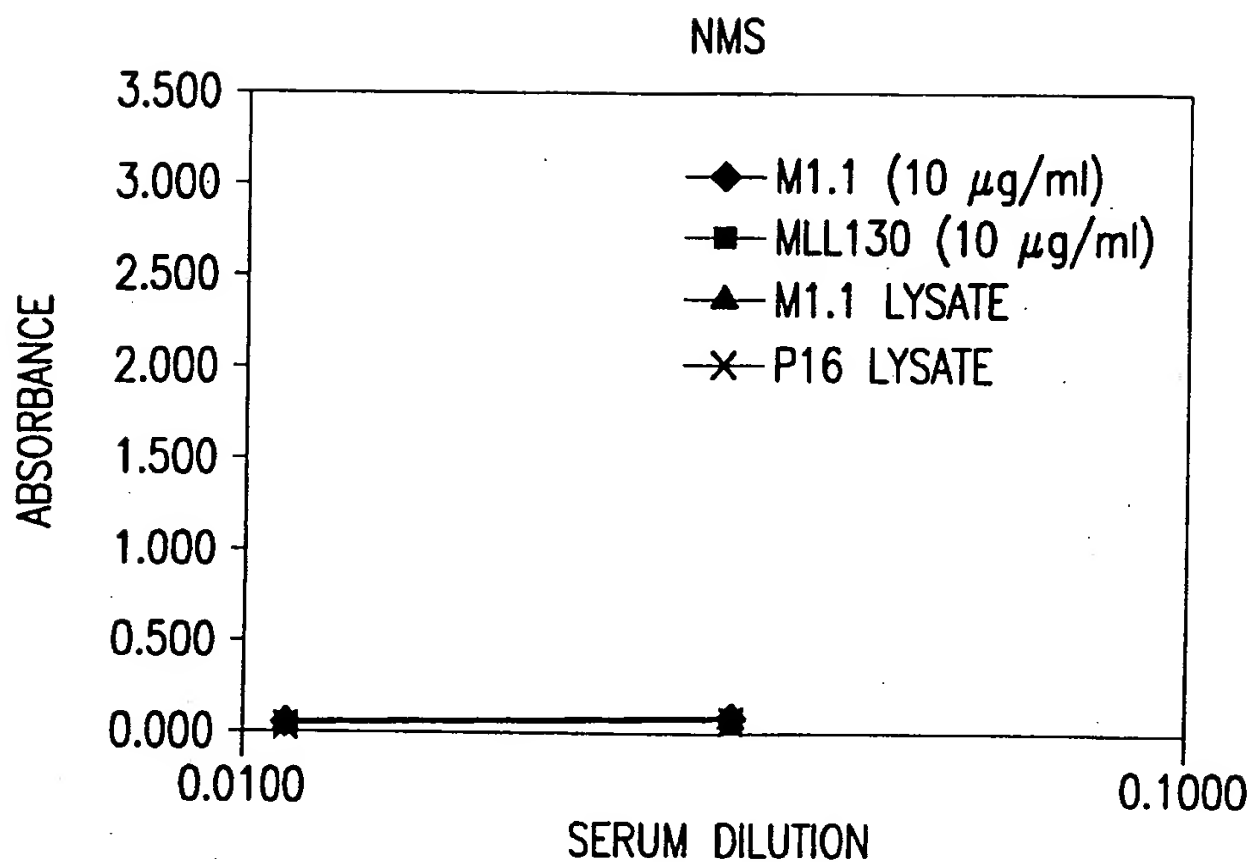


FIG.16C

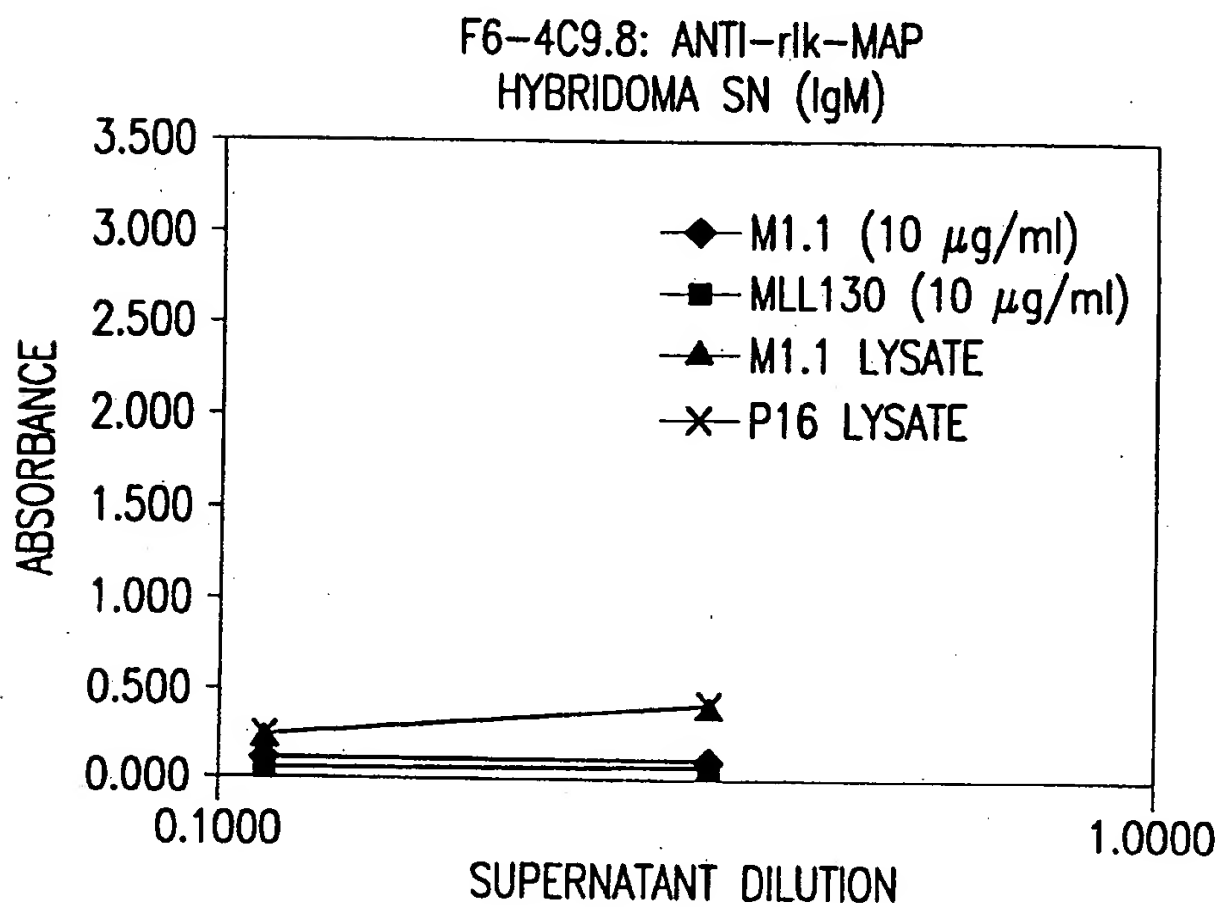


FIG.16D

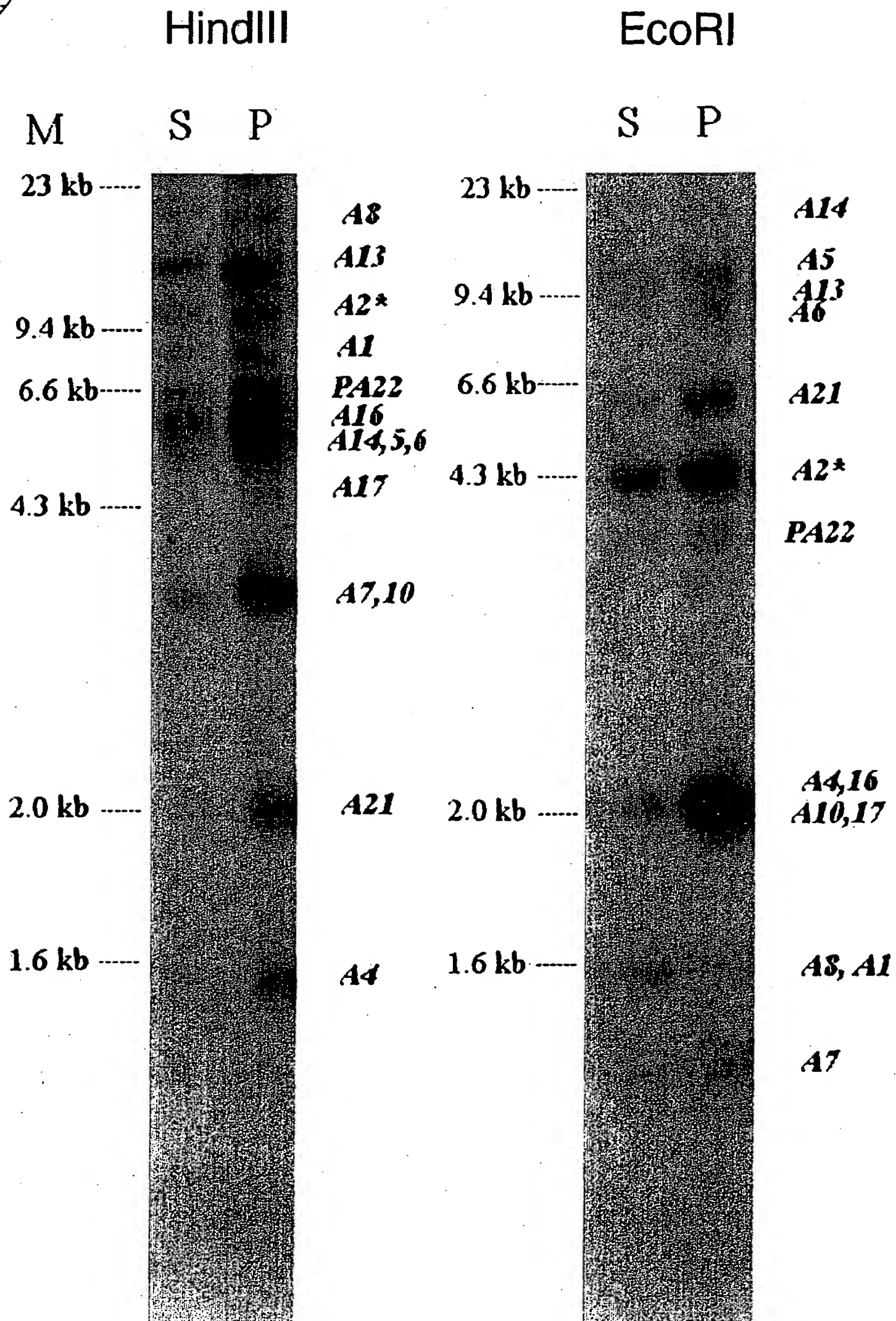
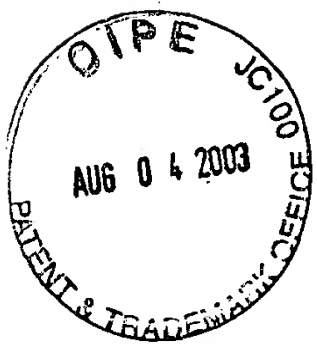


FIG. 17A

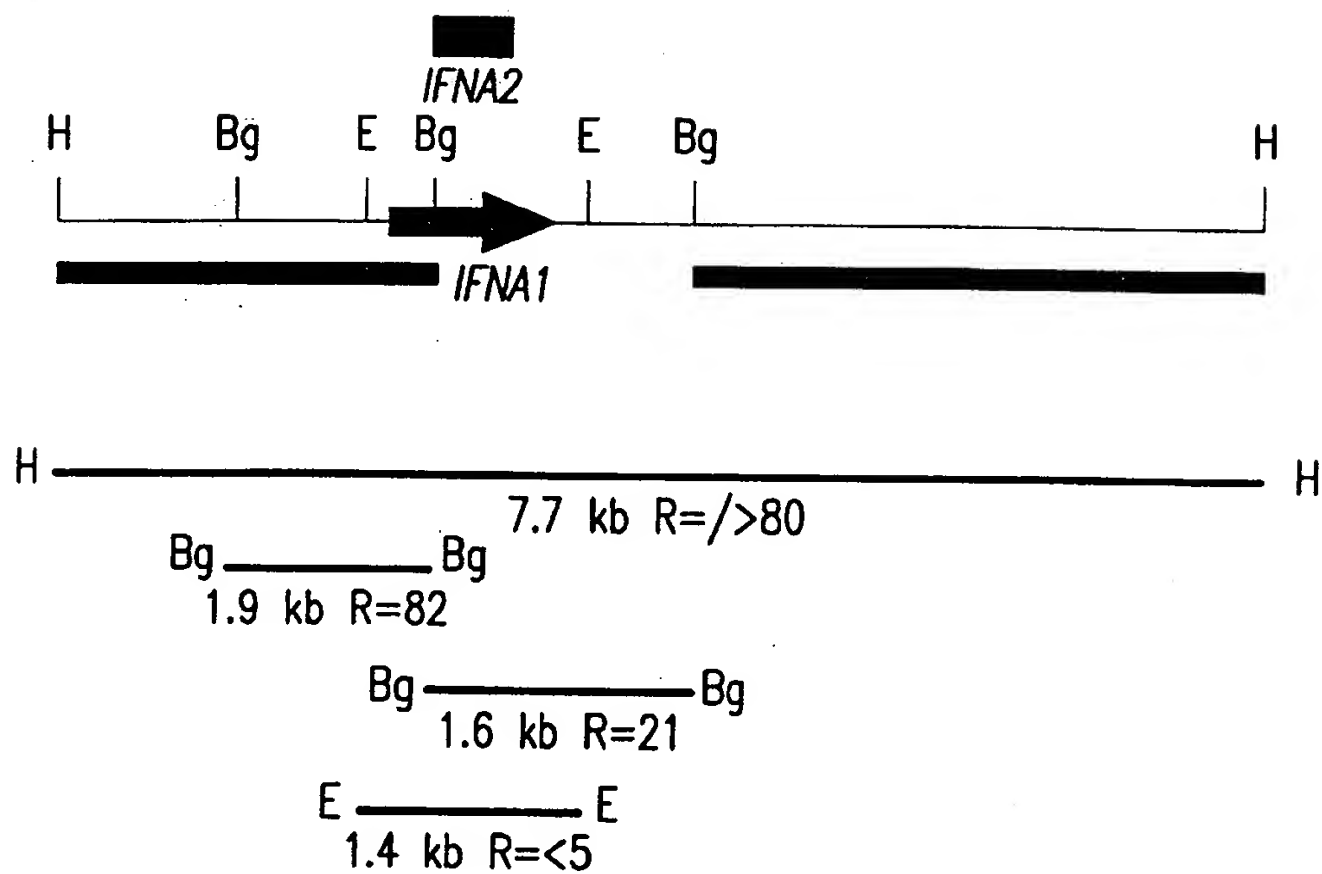
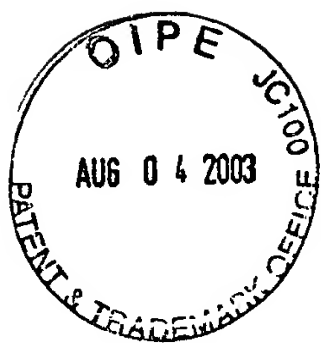


FIG.17B

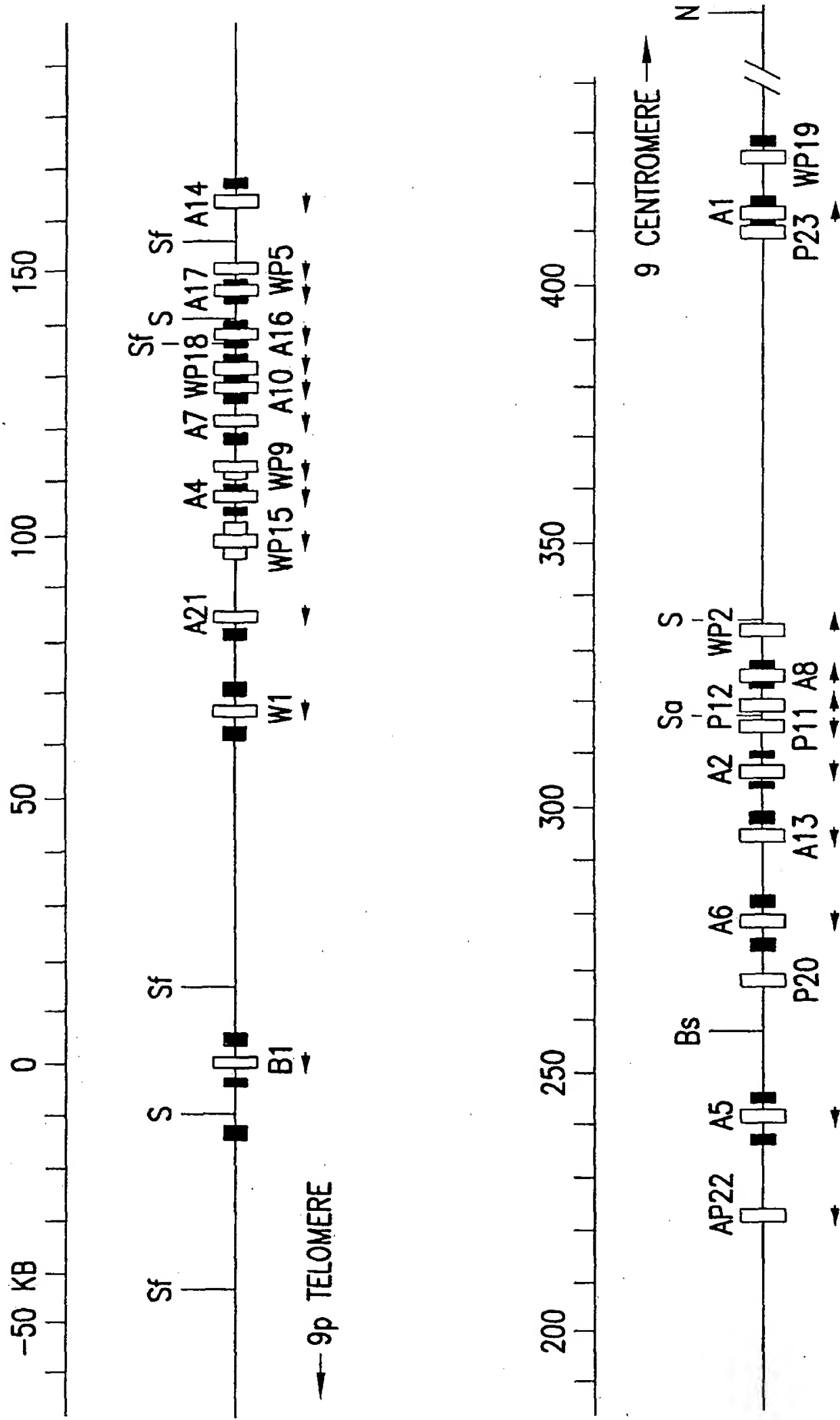
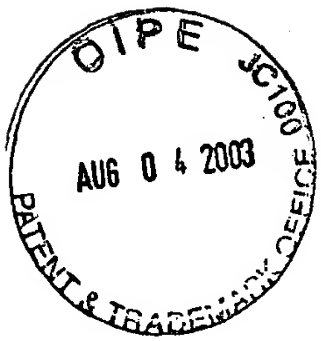
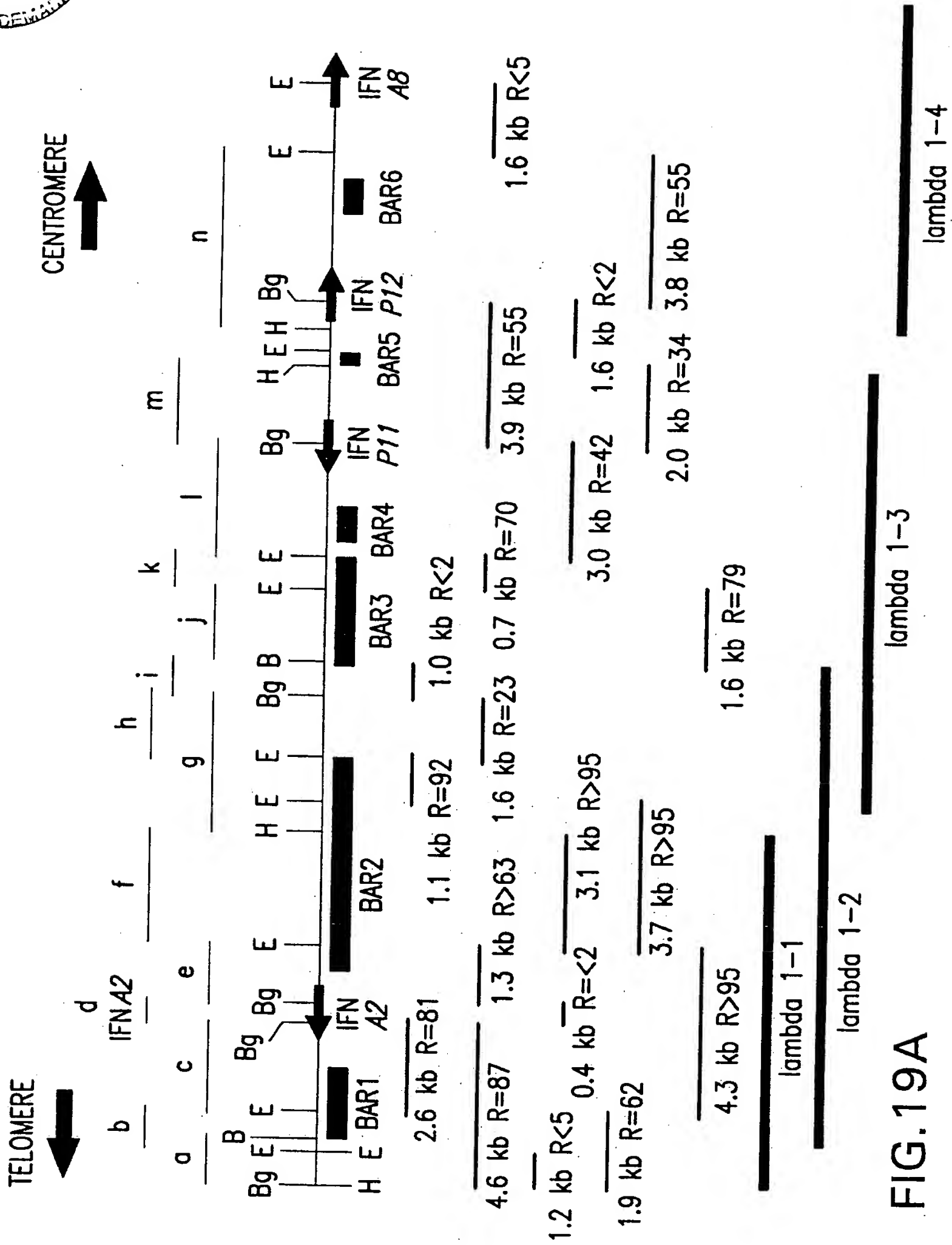


FIG.18





REPLACEMENT SHEET

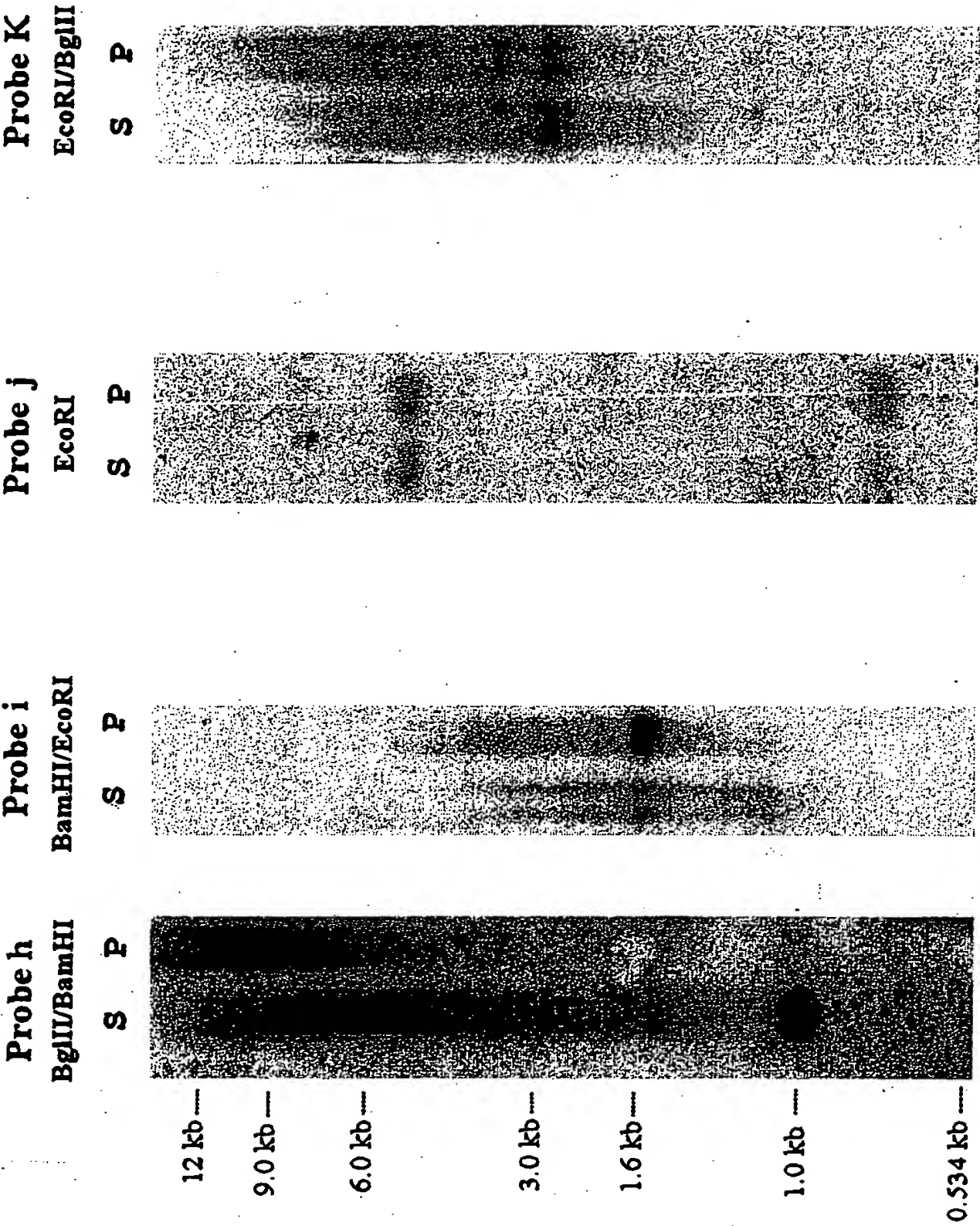


FIG. 19B

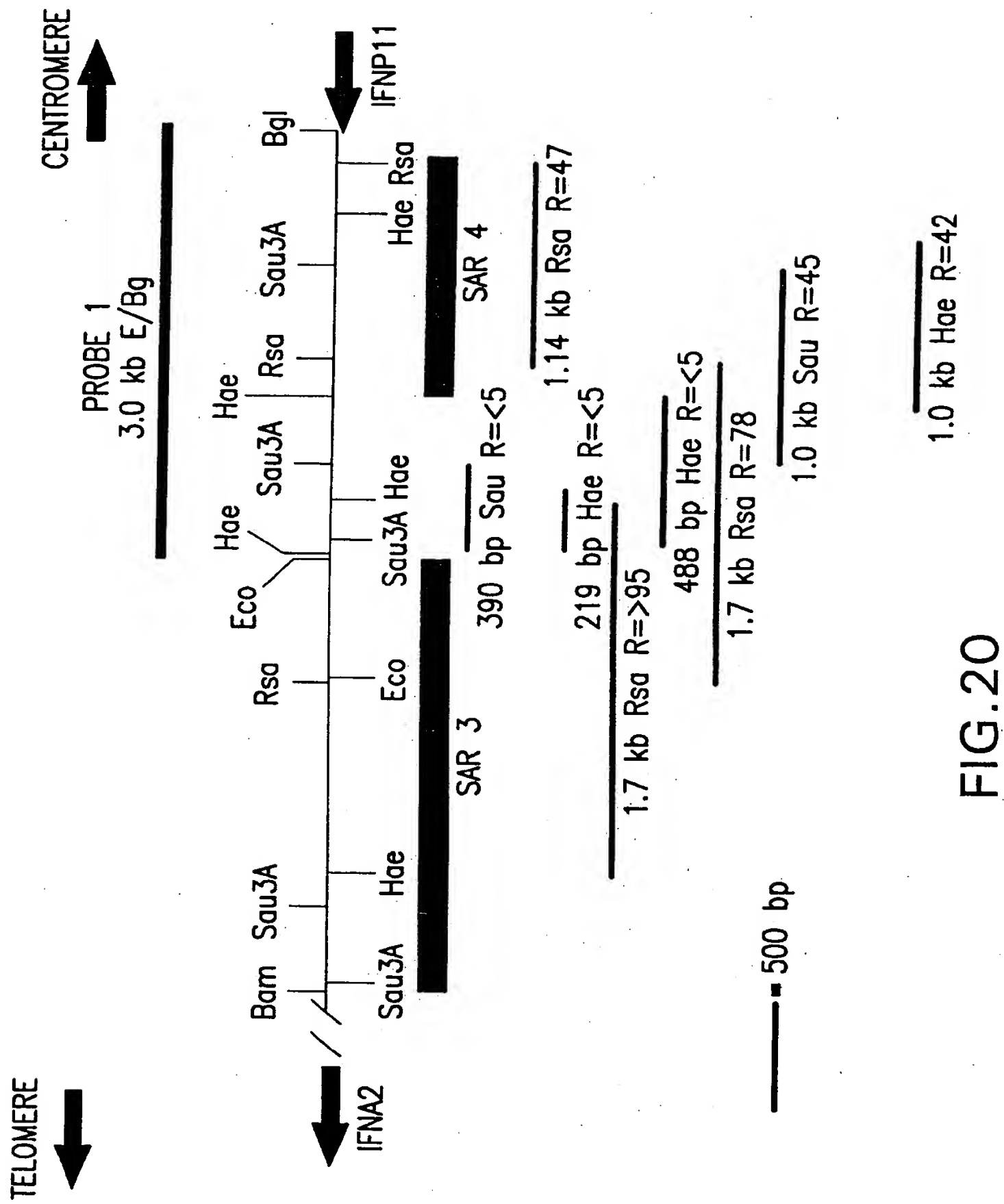


FIG.20

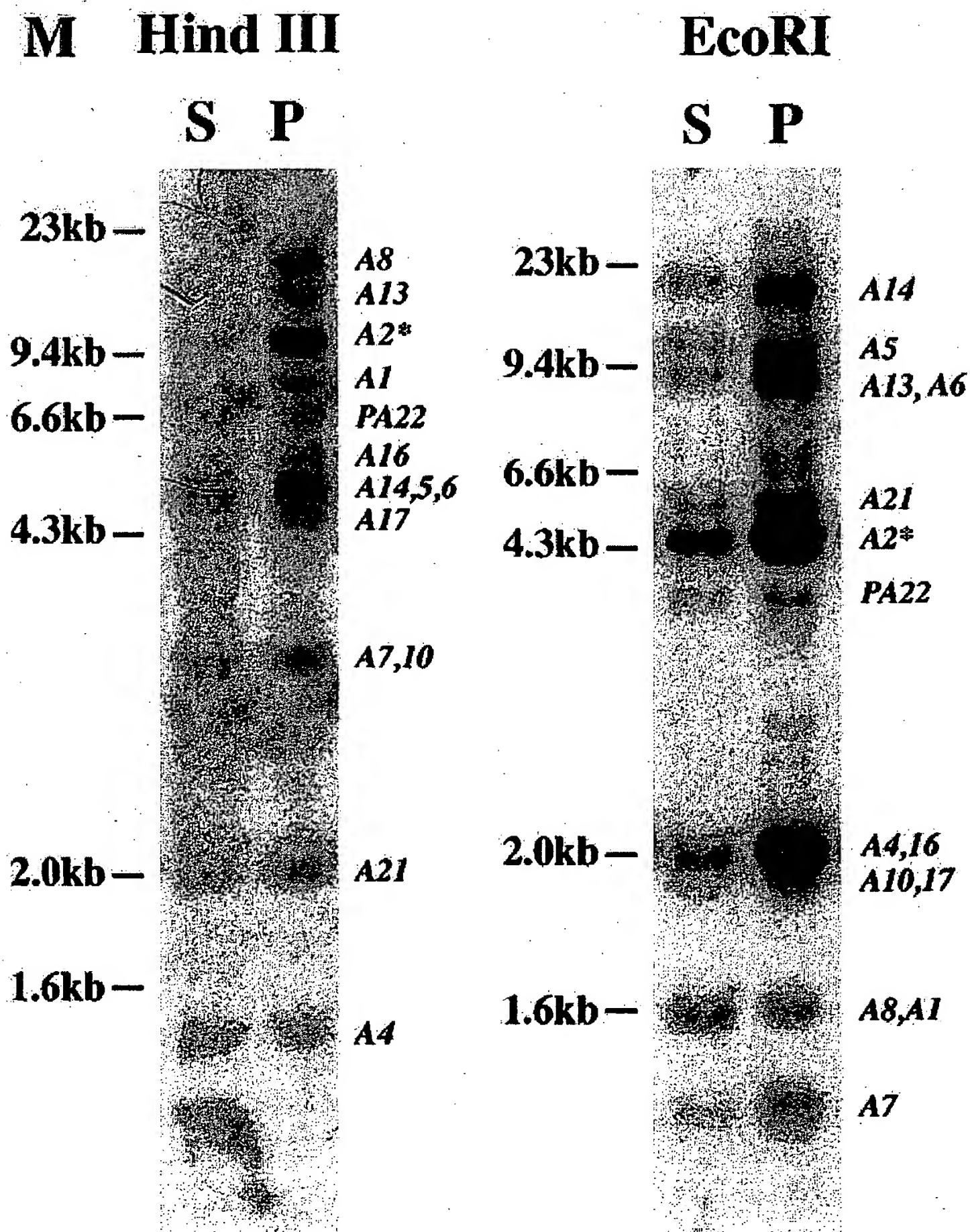
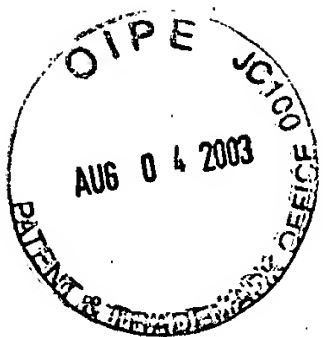


FIG. 21